Patent Claims

1. Turbo-machine (1), including:
   - a stator (2), internally coated with a running-in layer (6),
   - a rotor (4) within the stator (2), characterized thereby, that is supplementally includes
   - a device for parallel displacement and rotation of the rotation axis of the rotor (10) about the axis of symmetry of the stator (2).

2. Turbo-machine (1) according to Claim 1, thereby characterized, that the rotor blades of the rotor (5) contain aluminum based alloys or iron based alloys or cobalt based alloys or nickel based alloys and the stator contains (2) aluminum based alloys or cast steel.

3. Turbo-machine (1) according to one of the preceding claims, thereby characterized, that the running-in layer contains AlSi12 or NiCrAl.

4. Process for adapting stator (2) and rotor (4) of a turbo-machine (1), wherein a running-in layer (6) is applied upon the stator (2) and this running-in layer (6) is at least partially worn away or abraded by the rotor (4), thereby characterized, that the rotor (4) is rotated about a rotation axis, which rotates displaced parallel to the axis of symmetry of the stator (2).

5. Process according to Claim 4, thereby characterized, that the rotor (4) is introduced rotatingly into the stator (2).